



# MATERIAL SAFETY DATA SHEET

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## SECTION I - IDENTIFICATION & PHYSICAL DATA

PRODUCT NAME: Portland Cement Powder - Bright White

REF #B5

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## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS: Portland Cement (CAS-65977-15-1)

OSHA PEL: 50 Mppcf

ACGIH TLV: 10 mg/m<sup>3</sup> - TWA

HAZARDOUS COMPONENTS: Limestone (474-34-1)

OSHA PEL: 5 mg/m<sup>3</sup> (Respirable) 15 mg/m<sup>3</sup> (Total Dust)

ACGIH TLV: 10 mg/m<sup>3</sup> - TWA

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## SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: NA

Specific Gravity: 3.1

Vapor Pressure: NA

Melting Point: ND

Vapor Density: NA

Evaporation Rate: NA

Solubility in Water: < 1%

Appearance and Odor: White powder - No odor

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## SECTION IV - PHYSICAL AND EXPLOSION HAZARD DATA

Flash Point: NA

Flammable Limits: NA

Extinguishing Media: NA

Special Fire Fighting Procedures: NA

Unusual Fire and Explosion Hazards: NA

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## SECTION V - REACTIVITY DATA

Stability: Stable.

Incompatibility: Mineral Acids

Hazardous Decomposition or Byproducts: CO, Co<sub>2</sub>, Silicon tetra-fluoride (with Hydrofluoric acid)

Hazardous Polymerization: WILL NOT OCCUR.

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## SECTION VI - HEALTH HAZARD DATA

Primary routes of Entry:

Inhalation - Yes

Skin - Yes

Ingestion - No

**Health Hazards:**

ACUTE: Portland Cement mortar can dry the skin and cause alkali burn. Dust can irritate the eyes and upper respiratory system.

CHRONIC: Dust can cause inflammation of interior of nose and eyes.

Prolonged exposure to dust over the TLV may cause scarring of lungs and delayed lung injury (Silicosis).

Carcinogenicity: NTP - NO

IARC Monographs - NO

OSHA Regulated - NO

NOTE: These products, where applicable, are not regulated but may contain small amounts of naturally occurring crystalline silica. IARC Monographs on the evaluation of the Carcinogenic Risk of chemical to Humans (volume 42, 1987 for the carcinogenicity of crystalline silica to experimental animals, and that there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A.

Signs and symptoms of exposure: Shortness of breath, coughing and reddening of eyes.

Medical conditions Aggravated by Exposure: Hypersensitive individuals may develop allergic dermatitis.

Emergency and first aid procedures: Irrigate eyes with water, wash exposed skin areas with water and remove patient to fresh air. If accidentally ingested, mortar may set and cause bowel obstruction. Consult a Physician.

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Released or spilled: Collect spills using dustless method material can be returned to container for later use. Wear OSHA approved respirator for silica dust.

Waste disposal Method: Mortar can be disposed of as common waste, unrestricted sanitary landfill.

Handling and Storage: Keep in cool, dry environment. Eliminate exposure to dust. Wear respirator. Follow precautions.

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## SECTION VIII - TRANSPORTATION DATA

Respiratory Protection: OSHA approved respirator for silica dust.

Ventilation: Local Exhaust - YES Mechanical, special, other - NA

Protective Gloves: Rubber is recommended.

Eye Protection: Tight fitting goggles in dusty areas.

Other Protective clothing: Barrier cream, boots, and clothing should protect the skin from dust and wet mortar.

Work/Hygienic Practices: Workers should shower with soap and water after working with mortar.

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Symbols NA=Not Applicable, F=Fahrenheit, NT= Not determined, C= Centigrade